

Title (en)

Fire retardant coating composition for fibrous mat

Title (de)

Feuerhemmende Beschichtungszusammensetzung für eine faserige Matte

Title (fr)

Composition de revêtement ignifuge pour tapis fibreux

Publication

**EP 2053083 A1 20090429 (EN)**

Application

**EP 08017528 A 20081007**

Priority

US 97575707 A 20071022

Abstract (en)

A fire retardant coating composition for a fibrous mat comprises one or more fillers and one or more binders with each organic binder having a peak heat release rate of  $\leq 1000$  kW/m<sup>2</sup> as measured by ASTM E1354, flux 30 kW/m<sup>2</sup>. A coated fiberglass mat comprising the coating composition has a FIGRA value of  $\leq 120$  W/s according to EN 13823, 0.4 MJ and a flame index of  $\leq 25$  and a smoke index of  $\leq 50$  according to ASTM E84.

IPC 8 full level

**C08K 3/00** (2006.01); **C08K 3/22** (2006.01); **C08K 3/26** (2006.01); **C09D 5/18** (2006.01); **C09D 131/04** (2006.01); **C09D 133/08** (2006.01); **C09D 133/10** (2006.01); **C09K 21/02** (2006.01); **C09K 21/14** (2006.01); **D06N 7/00** (2006.01)

CPC (source: EP US)

**C09D 5/18** (2013.01 - EP US); **C09D 131/04** (2013.01 - EP US); **C09D 133/06** (2013.01 - EP US); **C09D 133/20** (2013.01 - EP US); **C09D 135/06** (2013.01 - EP US); **D06N 3/0022** (2013.01 - EP US); **D06N 3/0063** (2013.01 - EP US); **Y10T 428/249921** (2015.04 - EP US)

C-Set (source: EP US)

1. **C09D 131/04** + **C08L 2666/02**
2. **C09D 133/06** + **C08L 2666/02**
3. **C09D 133/20** + **C08L 2666/02**
4. **C09D 135/06** + **C08L 2666/02**

Citation (applicant)

- US 4784897 A 19881115 - BRANDS HEINRICH [DE], et al
- US 4879173 A 19891107 - RANDALL BRIAN G [US]
- US 5342680 A 19940830 - RANDALL BRIAN G [US]
- US 5112678 A 19920512 - GAY WILLIAM M [US], et al
- US 6770354 B2 20040803 - RANDALL BRIAN G [US], et al
- US 4229329 A 19801021 - BENNETT HERBERT
- US 4495238 A 19850122 - ADILETTA JOSEPH G [US]
- US 5091243 A 19920225 - TOLBERT THOMAS W [US], et al
- US 5965257 A 19991012 - AHLUWALIA YOUNGER [US]
- US 6858550 B2 20050222 - AHLUWALIA YOUNGER [US]

Citation (search report)

- [X] US 5607758 A 19970304 - SCHWARTZ WILLIAM C [US]
- [X] US 5102728 A 19920407 - GAY WILLIAM M [US], et al
- [X] US 5112678 A 19920512 - GAY WILLIAM M [US], et al
- [X] WO 0140568 A2 20010607 - ELK CORP DALLAS [US]
- [XD] US 5965257 A 19991012 - AHLUWALIA YOUNGER [US]

Cited by

US2014038481A1; CN111269623A; CN104884691A; CN104046148A; CN105017911A; WO2019032393A1; WO2014022845A1; US9617734B2; US10227477B2; EP2985374B1; EP2985374B2

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